

2019

ASTHMA GENETICS

2019

Test: DELPHi / DIY (circle one)

Universidad de La Laguna (Spain), 26 January 2022

~~AMAZON~~
~~DELPHI~~

Your initials:

MMP-y

FACULLY

- **Question 1:** Is the candidate gene a transcription factor or part of a transcription complex?

Gene	Transcription factor / part of transcription complex? (Y/N)	
HIF1A		
SMAD3		
TRAF2		
CEBPA	Y	Y

- **Question 2:** Is the candidate gene involved in an immune signalling pathway, i.e. a pathway that is immune cell-specific or a generic pathway known to operate in immune cells (e.g. the JAK-STAT, MAPK, NF-kappa B or TNF signalling pathways) ?

You can also consider blood cell-specific pathways like leukaemias.

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	Acute myeloid leukemia

Macrophage differentiation

- **Question 3:** Can you write down the known protein binding partners (if any) of each candidate gene ?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	Foxo1 & KDM1A

PRDM16, UBN1

- **Question 4:** Can you write down the diseases each candidate gene is associated with?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	Acute myeloid leukemia

Inflammatory bowel diseases
colitis ulcerative

- **Question 5:** For each candidate gene, can you find a genetic phenotype that produces an abnormal immune phenotype or disease?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	Abnormal immune system morphology

Leukemia, acute
myeloid

- **Question 6:** Are any of the candidate genes expressed in a type of immune cell or in a tissue or organ where immune cells are known to reside (e.g. the bone marrow, thymus, spleen and lymph nodes) ?

Gene	Annotate relevant pathways
HIF1A	
SMAD3	
TRAF2	
CEBPA	Yes, bone marrow

Spleen

- **Question 7:** Have any of the candidate genes been studied in the context of macrophages?

Gene	PMID of paper
HIF1A	
SMAD3	
TRAF2	
CEBPA	Yes

Yes

System Usability Scale

(P)

~~S~~

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	Strongly disagree				Strongly agree	
1. I think that I would like to use this system frequently	1	2	3	4	5	4
2. I found the system unnecessarily complex	1	2	3	4	5	4
3. I thought the system was easy to use	1	2	3	4	5	4
4. I think that I would need the support of a technical person to be able to use this system	1	2	3	4	5	4
5. I found the various functions in this system were well integrated	1	2	3	4	5	4
6. I thought there was too much inconsistency in this system	1	2	3	4	5	4
7. I would imagine that most people would learn to use this system very quickly	1	2	3	4	5	4
8. I found the system very cumbersome to use	1	2	3	4	5	4
9. I felt very confident using the system	1	2	3	4	5	3
10. I needed to learn a lot of things before I could get going with this system	1	2	3	4	5	4

39
 $39 \times 2.5 = 97.5$

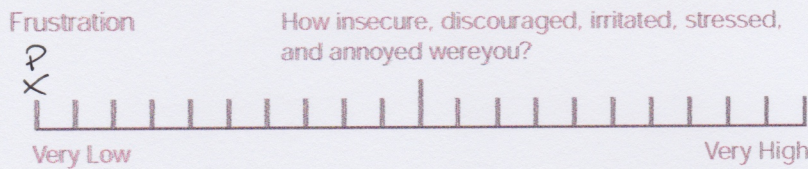
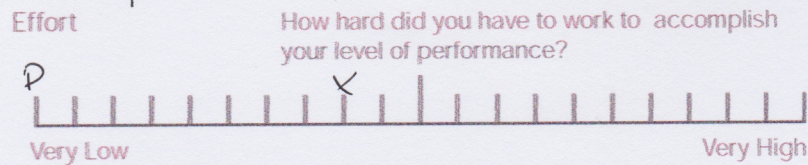
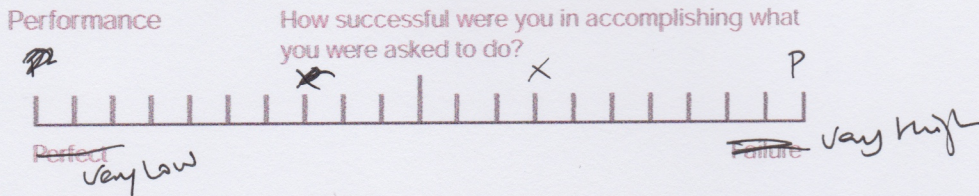
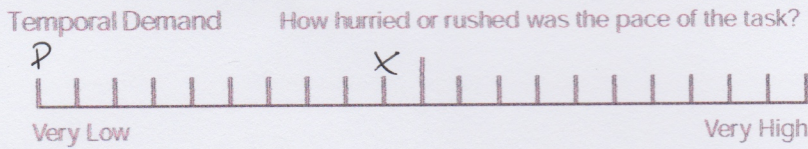
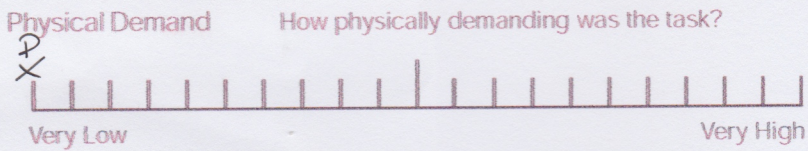
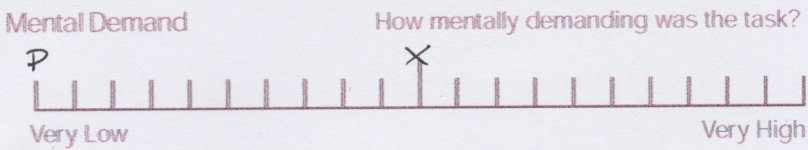
Figure 8.6

NASA Task Load Index

Hart and Staveland's NASA Task Load Index (TLX) method assesses work load on five 7-point scales. Increments of high, medium and low estimates for each point result in 21 gradations on the scales.

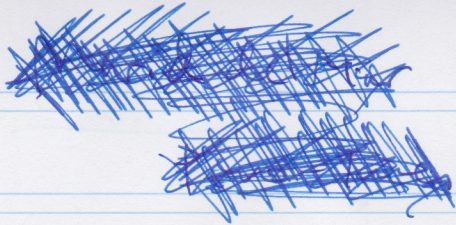
P X

Name	Task	Date
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1/2/2022

2019



(P)

(X)

Q1 55

NCBI gene 43"

Q2 1' 15"

NCBI gene 1' 28"

Q3 ~~31"~~ 31"

NCBI gene → omprates 2' 38"

Q4 12"

NCBI gene → 50"

Q5 55"

omim 1' 03"

Q6 45"

NCBI gene → Citex portal 2' 13"

Q7 20"

PubMed 35"

tener en cuenta que este ejercicio está en de ventaja con

* 7 Pas herramientas que

Debriefing

Qué no te pinto?

El display que se a terminado, le organizare
será mejor vertical la información.

↓
porque con la impr. vertical
seguimos a ignorar lo que
está más abajo

⊕ la parte que puedes sacar la
información en las ventanitas.

⊕ que es simple, xq tiene todo lo que
a primera vista tardie

que buscar para ver
si le da sea es
por en su propio
tiempo.